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PATENT  
12480-000067/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Shunichi KURODA et al.  
Int'l App. No.: PCT/JP03/03694  
Application No.: **NEW APPLICATION**  
Filed: September 28, 2004  
For: THERAPEUTIC DRUG USING ANTIBODY-DISPLAYING  
HOLLOW PROTEIN NANOPARTICLES, AND HOLLOW  
PROTEIN NANOPARTICLES

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**INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION CONCURRENT WITH THE  
FILING OF A NEW PATENT APPLICATION)**

U.S. Patent and Trademark Office  
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Arlington, VA 22202

September 28, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☐ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☒ This application is a National Phase of a PCT application. All of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If

copies are needed, please contact the undersigned.

- ☐ Because the present application is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

a. ☐ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☒ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

Many of the documents have been discussed in the PCT Search Report, the PCT Preliminary Examination Report, and/or throughout the specification. The PCT Search Report and/or PCT Preliminary Examination Report, indicate the degree of relevance found by the PCT Office, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

c. ☒ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☒ **OTHER**

The following additional information is provided for the Examiner's consideration.

For Examiner's consideration a copy of International Search Report and International Preliminary Examination Report are submitted herewith.

New PCT National Phase Application  
Docket No. 12480-000067/US

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C

By: \_\_\_\_\_

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Enclosures:    ☒ Form PTO-1449(s)  
                  ☒ Documents  
                  ☒ Foreign Search Reports

Form PTO-1449

ATTY DOCKET NO.  
12480-000067/US104509249  
APPLICATION  
NEW APPLICATION**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

APPLICANTS  
Shunichi KURODA et al.CONF. NO.  
UnknownFILING DATE  
September 28, 2004GROUP  
Unknown**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	EP 0 706 799 B1	11/14/2001	EUROPE			Yes	
	WO 96/01126 A1	01/18/1996	WIPO			Yes	
	WO 94/06929 A1	03/13/1994	WIPO			Yes	
	WO 01/64930 A1	09/07/2001	WIPO			Abst.	

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

	Y. NAKAMURA et al., "Development of novel whole-cell immunoadsorbents by yeast surface display of the IgG-binding domain", Appl Microbiol Biotechnol, 2001, Vol. 57, No. 4, P. 500-5005
	Imran AHMAD et al., "Antibody-mediated Specific Binding and Cytotoxicity of Liposome-entrapped Doxorubicin to Lung Cancer Cells <i>in Vitro</i> ", Cancer Research 52, 4817-1820, September 1, 1992

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DJD/smk